Philips Brilliance
LED-backlit LCD monitor

Notebook docking display
23" / 58.4cm
Full HD (1920 x 1080)

Brilliance

231P4QUPEB

Simplicity with notebook docking display

expand view with single-cable

This innovative notebook docking display with multimedia enables easy port replication. Expand your viewing workspace, keep peripherals connected, access internet, all with a single SuperSpeed USB cable.

Simplicity makes sense

- Single USB 3.0 cable docks your notebook to the display
- Transmit video and audio from the notebook with single cable
- Connect with Internet, Intranet with built in ethernet port
- Access all peripherals and keyboard, mouse from the hub
- True plug and play for hassle free dual display setup

Ergonomic design

- SmartErgoBase enables people-friendly ergonomic adjustments
- Low bezel-to-table height for maximum reading comfort

Sustainable Eco-friendly solution

- IPS display for full colors and wide viewing angles
- PowerSensor saves up to 80% energy costs
- 65% post consumer recycled plastics with TCO Edge
- PVC-BFR free housing

PHILIPS

LED-backlit LCD monitor
Notebook docking display 23" / 58.4cm, Full HD (1920 x 1080)

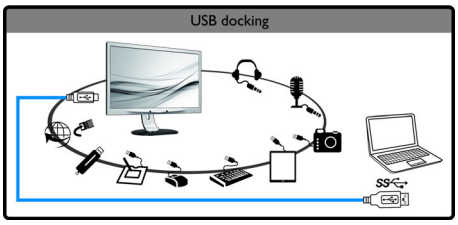
231P4QUPEB/69

Highlights

Expand view with single cable

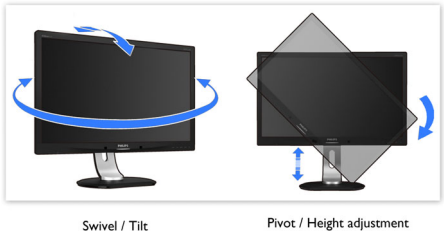
This innovative large Philips display enables easy port replication for any notebook. Especially suitable for latest Ultra book type devices with limited connectors, this display with built-in USB 3.0 hub, Ethernet, and stereo speakers enables you to transmit video, audio, and connect to internet or intranet directly with a single cable USB connection. By this advanced USB 3.0 or USB 2.0 plug and play connection, you can now expand your desktop using both your NBPC and Philips display's real-estate without having to worry about cumbersome resolution adjustments or mess around with cables.

USB hub for peripherals



You can now connect optional full sized Keyboard and mouse to this innovative Philips display's USB hub to improve your productivity. Simply connect your Notebook to this display with a single USB cable, and you are ready to utilize the attached additional peripherals like external HDD, camera, USB drive along with Full HD video, Audio, and Internet functions. Should you prefer, you can of course still utilize your NBPC's keyboard and track pad as usual.

SmartErgoBase



The SmartErgoBase is a monitor base that delivers ergonomic display comfort and provides cable management. The base's people-friendly height, swivel, tilt and rotation angle adjustments position the monitor for maximum comfort that can ease the physical strains of a long workday; cable management reduces cable clutter and keeps the workspace neat and professional.

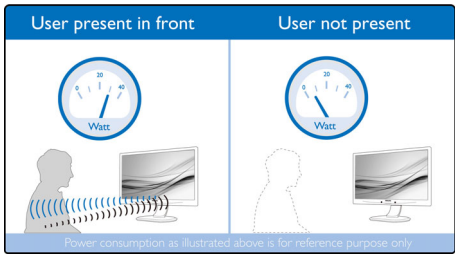
Low bezel-to-table height

The Philips monitor, thanks to its advanced SmartErgoBase, can be lowered down almost to desk level for a comfortable viewing angle. Low bezel-to-table height is the perfect solution if you use bifocals, trifocals or progressive lens glasses for your computing work. Additionally, it allows for users with greatly different heights to use the monitor in their preferred angle and height settings, helping them reduce fatigue and strain.

IPS display

IPS displays use an advanced technology which gives you extra wide viewing angles of 178/178 degree, making it possible to view the display from almost any angle - even in 90 degree Pivot mode! Unlike standard TN panels, IPS displays gives you remarkably crisp images with vivid colors, making it ideal not only for Photos, movies and web browsing, but also for professional applications which demand color accuracy and consistent brightness at all times.

PowerSensor



PowerSensor is a built-in 'people sensor' that transmits and receives harmless infrared signals to determine if user is present and automatically reduces monitor brightness when user steps away from the desk, cutting energy costs by up to 80 percent and prolonging monitor life

TCO Edge

TCO Edge certification is given to products which go beyond existing eco-labeling programs. Over and above standard TCO requirements, it further mandates that the product uses minimum 65% of post consumer recycled plastics, is energy efficient, uses minimal hazardous materials, has 100% recyclable packaging, and is designed for easy recycling amongst other requirements. You can rest assured that this Philips monitor is a cutting edge technology product which is best in class ICT, benefitting you and the planet while helping you make a responsible green IT purchase!

PVC-BFR free housing

This Philips monitor housing is free from brominated flame retardant and polyvinyl chloride (PVC-BFR free)

USB Monitor · IPS · Wide Viewing Angle · SmartImage · SmartErgoBase · Built-in Speakers · 2x USB 3.0 · Ethernet · PowerSensor · epeat GOLD

LED-backlit LCD monitor
Notebook docking display 23" / 58.4cm, Full HD (1920 x 1080)

231P4QUPEB/69

Specifications

Picture/Display
- LCD panel type: IPS LCD
- Backlight type: W-LED system
- Panel Size: 23 inch / 58.4 cm
- Effective viewing area: 509.18 x 286.41 mm
- Aspect ratio: 16:9
- Optimum resolution: 1920 x 1080 @ 60Hz
- Response time (typical): 14 (Gray to Gray) ms
- SmartResponse (typical): 7 ms (GTG_BW)
- Brightness: 250 cd/m²
- Contrast ratio (typical): 1,000:1
- SmartContrast: 20,000,000:1
- Pixel pitch: 0.265 x 0.265 mm
- Viewing angle: 178° (H) / 178° (V), @ C/R > 10
- Picture enhancement: SmartImage
- Display colors: 16.7 M
- Scanning Frequency: 30 -83 kHz (H) / 56 -75 Hz (V)
- sRGB

Connectivity
- Signal Input: VGA (Analog)
- Sync Input: Separate Sync (VGA only), Sync on Green (VGA only)

USB Connectivity
- USB: USB 2.0 x 1, USB 3.0 x 2
- Signal Input: USB 3.0 upstream
- Audio In/Out: through USB
- RJ45: through USB, 1Gbps
- Microphone in: through USB
- Headphone out: through USB

Convenience
- Built-in Speakers: 1.5Wx2
- User convenience: SmartImage, Input, PowerSensor, Menu, Power On/Off
- Control software: SmartControl Premium(VGA only), DisplayLink Graphics Software
- OSD Languages: English, French, German, Italian, Portuguese, Russian, Simplified Chinese, Spanish, Korean
- Other convenience: Kensington lock, VESA mount (100x100mm)
- Plug & Play Compatibility: DDC/CI (VGA only), Mac OS X, sRGB, Windows 8.1 / 8 / 7

Stand
- Height adjustment: 130 mm
- Pivot: 90 degree
- Swivel: -65/65 degree
- Tilt: -5/20 degree

Power
- ECO mode: 11.3 W (typ.)
- On mode: 20.2 W (typ.) (EnergyStar 6.0 test method)
- Standby mode: <0.5 W (typ.)
- Off mode: Zero watts with AC switch
- Power LED indicator: Operation - White, Standby mode- White (blinking)
- Power supply: 100-240VAC, 50-60Hz, Built-in

Dimensions
- Product with stand(max height): 547 x 515 x 220 mm
- Product without stand (mm): 547 x 343 x 60 mm
- Packaging in mm (WxHxD): 600 x 400 x 263 mm

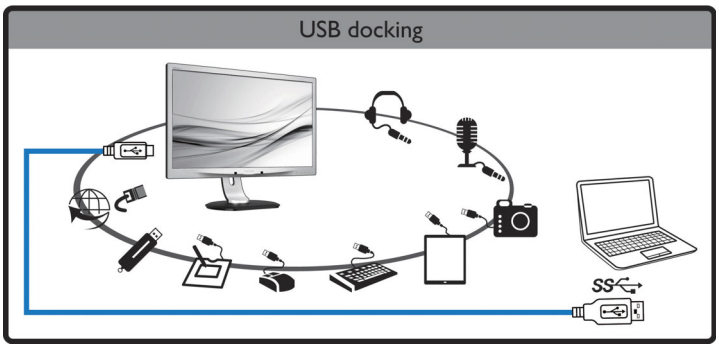
Weight
- Product with stand (kg): 6.00 kg
- Product without stand (kg): 3.90 kg
- Product with packaging (kg): 8.41 kg

Operating conditions
- Temperature range (operation): 0°C to 40°C °C
- Temperature range (storage): -20°C to 60°C °C
- Relative humidity: 20%-80 %
- Altitude: Operation: +12,000ft (3,658m), Non-operation: +40,000ft (12,192m)
- MTBF: 30,000 (backlight) hour(s)

Sustainability
- Environmental and energy: PowerSensor, EnergyStar 6.0, EPEAT Gold*, TCO edge, RoHS
- Recyclable packaging material: 100 %
- Post consumer recycled plastic: 65%
- Specific Substances: PVC / BFR free housing, Mercury free, Lead free

Compliance and standards
- Regulatory Approvals: CE Mark, cETLus, FCC Class B, PSB, SEMKO, TCO 6.0, TUV Ergo, TUV/GS, WEEE, CCC, CECP, C-tick, EAC, EMC

Cabinet
- Front bezel: Black
- Rear cover: Black
- Foot: Black
- Finish: Texture



Issue date 2014-10-26

Version: 2.0.1

12 NC: 8670 001 20896
EAN: 87 12581 72931 8

© 2014 Koninklijke Philips N.V.
All Rights reserved.

Specifications are subject to change without notice. Trademarks are the property of Koninklijke Philips N.V. or their respective owners.

www.philips.com

* We recommend to use USB 3.0 connection between your Notebook PC and the Philips display to ensure smooth images, video and audio.
* Activities such as screen sharing, on-line streaming video and audio over the Internet can impact your network performance. Your hardware, network bandwidth and its performance will determine overall audio and video quality.
* The notebook, keyboard, mouse as shown are for illustration purpose only, not included in the product.
* "IPS" word mark / trademark and related patents on technologies belong to their respective owners.
* EPEAT Gold is valid only where Philips registers the product. Please visit www.epeat.net for registration status in your country.
* Smart response time is the optimum value from either GtG or GtG (BW) tests.